

Claims:

1. A method of reporting a fault to a control unit in a network for mobile telecommunications, comprising the steps of:
at a base station:
 - 5 determining that a fault has been experienced by a mobile user terminal located within a cell served by the base station,
determining the location of the mobile user terminal within the cell, and
sending a report of the fault to the control unit, the report including information of the location within the cell served by the base station.
- 10 2. A method according to claim 1, in which the information of the location is in the form of two dimensional coordinates (X-Y).
3. A method according to claim 1, in which the information of the location is in the form of three dimensional coordinates (X-Y-Z).
4. A method according to claim 1, in which the control unit includes a visual display
15 unit, the method including indicating the location of the fault graphically on the visual display unit.
5. A method according to claim 1, in which the network is a code division multiple access (CDMA) network, and the base station comprises a base transmitter-receiver unit and a base station controller.
- 20 6. A method according to claim 5, in which the network is at least substantially in accordance with the Universal Mobile Telecommunications System (UMTS) standard, the base transmitter-receiver unit is a NodeB and the base station controller is a radio network controller (RNC).
7. A method of adjusting the functioning of a telecommunications network by:
25 reporting a fault to a control unit in a network for mobile telecommunications, comprising the steps of:

- a base station determining that a fault has been experienced by a mobile user terminal located within a cell served by the base station,
the base station determining the location of the mobile user terminal within the cell,
- 5 a base station sending a report of the fault to the control unit, the report including information of the location within a cell served by the base station; and
- 10 sending a response from the control unit to the base station, the response being an instruction to alter the functioning of the base station, the response being dependent upon the type and location of the fault indicated in the report.
8. A method according to claim 7, in which the response is decided upon and sent automatically by the control unit.
9. A method according to claim 7, in which the fault indicated is interference and the instruction is to reduce power of signals transmitted from the base station.
- 15 10. A network for mobile telecommunications comprising a base station and a control unit, the base station including means operative to determine that a fault has been experienced by a mobile user terminal located within a cell served by the base station, means operative to determine the location of the mobile user terminal within the cell, and means to send a report of the fault to the control unit, the report
- 20 including information of the location of the mobile user terminal within the cell served by the base station.
11. A network according to claim 10, in which the control unit is operative to send a response to the base station, the response being an instruction to alter the functioning of the base station, the response being dependent upon the type and location of fault
- 25 indicated in the report.